

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2003/000957

101537613

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: D21F 7/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: D21F, D03D, B29C, B32B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE, DK, FI, NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5464488 A (RANDALL F. SERVIN), 7 November 1995 (07.11.1995), column 5, line 15 - line 55, claims 1,3-5, examples 1,4 and 5	1-6,10-18
Y	--	9
X	US 4090897 A (DAVID G. MINICK), 23 May 1978 (23.05.1978), The whole document	1-6,10-18
Y	WO 02053833 A1 (TAMFELT OYJ ABP), 11 July 2002 (11.07.2002), page 10, line 28 - page 11, line 7, figure 10a	9
	--	

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

- "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

- "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

- "&" document member of the same patent family

Date of the actual completion of the international search

26 February 2004

Date of mailing of the international search report

10-03-2004

Name and mailing address of the ISA/
Swedish Patent Office
Box 5055, S-102 42 STOCKHOLM
Facsimile No. + 46 8 666 02 86Authorized officer

Susanna Lindfors/E1s
Telephone No. + 46 8 782 25 00

BEST AVAILABLE COPY**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/FI 2003/000957

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5731063 A (GARY SCHULTZ ET AL), 24 March 1998 (24.03.1998), The whole document --- -----	1-18

INTERNATIONAL SEARCH REPORT

Information on patent family members

27/02/2004

International application No.

PCT/FI 2003/000957

US	5464488	A	07/11/1995	NONE		
US	4090897	A	23/05/1978	NONE		
WO	02053833	A1	11/07/2002	CA	2429662 A	11/07/2002
				EP	1352125 A	15/10/2003
				FI	110134 B	00/00/0000
				FI	20002772 A	19/06/2002
				NO	20032623 A	18/08/2003
				US	2004020622 A	05/02/2004
US	5731063	A	24/03/1998	AU	712033 B	28/10/1999
				AU	2506595 A	19/12/1996
				CA	2153933 A,C	07/12/1996
				EP	0747529 A	11/12/1996